

REMARKS

In accordance with the foregoing, claims 1, 12, 13, 16, and 24-26 have been amended. Support for the claim amendments may be found, for instance, on page 7, lines 22-35 of the Specification of the present application.

Claims 1-29 are pending and under consideration.

REJECTION UNDER 35 U.S.C. § 102:

In the Office Action, at page 2, claims 1-29 were rejected under 35 U.S.C. § 102 in view of U.S. Patent No. 6,359,610 to Shah et al. ("Shah"). This rejection is traversed and reconsideration is requested.

Berstis provides one or more wireless remote control devices 101 and 103 for use with a data processing system. See column 4, lines 37-40 of Berstis. Each of the remote control devices 101 and 103 generates control signals that are typically imposed on light signals. See column 4, lines 40-42 of Berstis. Preferably, the devices 101 and 103 use carrier signals in the infrared region. See column 4, lines 42-43 of Berstis. See column 4, lines 46-49 of Berstis. However, the cited reference fails to teach or suggest, "a transmission part transmitting signals generated by having a plurality of different carrier frequencies modulated with the same input information," as recited in independent claims 1, 12, 16, and 24. Although, each of the devices 101 and 103 of Berstis may operate on the same carrier frequency, or on different carrier frequencies, interference between the devices 101 and 103 is avoided by **selectively actuating each of the devices 101 and 103 at a different time** using polling signals uniquely identifying the given devices. Emphasis added. See column 4, lines 45-50 of Berstis.

Thus, instead of "transmitting signals generated by having a plurality of different carrier frequencies modulated with the **same** input information," emphasis added, as recited in independent claims 1, 12, 16, and 24, the device 101 and the device 103 operate at different times.

Berstis merely describes a transmission part that transmits signals generated by having different carrier frequencies modulated by different data generated by the remote control devices 101 and 103, respectively. Thus, the cited reference fails to teach or suggest a "a transmission part transmitting signals generated by having a plurality of different carrier frequencies modulated with the same input information," as recited in independent claim 1, 12, 16, and 24, and fails to teach or suggest, "a transmission part transmitting the same input information by a plurality of carrier frequencies," as recited in independent claim 30.

In addition, Berstis fails to teach or suggest "a reception part receiving the transmitted signals and demodulating the signals into the same input information," as recited in independent claims 1. Rather, Berstis describes that "the decoder circuit 376. . . is selectively controlled to generate display control signals from either the first control device 101, or from the second control device 103." See column 9, lines 51-55. Thus, the cited reference merely provides a reception part that demodulates signals into their respective different input data.

Referring to independent claims 12 and 24, Berstis information from a particular control device is obtained by polling the device from a central control source, which is preferably the receiver used in the system. See column 2, lines 37-46. Thus, a particular control device only transmits information to the receiver for use in controlling the display device when it is requested to do so. The polling signals for each of the devices are separated temporally, and thus individual control devices do not interfere with each other even if the devices operate on the same or substantially the same carrier frequency. A given polling signal uniquely identifies only a respective one of the control devices. See column 3, lines 5-7. Thus, the polling signal of Berstis carries different data. In contrast, independent claims 12 and 24 recite, "a plurality of wave direction parts which are provided close to said transmission part so as to provide the signals transmitted from said transmission part with directivity so that the **same input information** is transmitted alternately from the wave direction parts." Emphasis added. Accordingly, it is respectfully asserted that the cited reference fails to teach or suggest the claimed features of independent claims 12 and 24 and related dependent claims.

In view of the foregoing, it is respectfully requested that independent claims 1, 12, 16, and 24 and related dependent claims be allowed.

CONCLUSION:

In accordance with the foregoing, it is respectfully submitted that all outstanding objections and rejections have been overcome and/or rendered moot, and further, that all pending claims patentably distinguish over the prior art. Thus, there being no further outstanding objections or rejections, the application is submitted as being in condition for allowance, which action is earnestly solicited.

If the Examiner has any remaining issues to be addressed, it is believed that prosecution can be expedited by the Examiner contacting the undersigned attorney for a telephone interview to discuss resolution of such issues.

If there are any underpayments or overpayments of fees associated with the filing of this

Amendment, please charge and/or credit the same to our Deposit Account No. 19-3935.

Respectfully submitted,

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